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in Derwent Patent Files  
NEWS 6 Oct 27 Plasdoc Key Serials Dictionary and Echoing added to  
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biotechnology  
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NEWS 17 Feb 16 TOXLINE no longer being updated  
  
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FILE 'HOME' ENTERED AT 13:44:31 CN 05 MAR 2001

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0.15

FILE 'MEDLINE' ENTERED AT 13:44:37 ON 05 MAR 2001

FILE 'CANCERLIT' ENTERED AT 13:44:37 ON 05 MAR 2001

FILE 'BIOSIS' ENTERED AT 13:44:37 ON 05 MAR 2001

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FILE 'EMBASE' ENTERED AT 13:44:37 ON 05 MAR 2001

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FILE 'SCISEARCH' ENTERED AT 13:44:37 ON 05 MAR 2001

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=> s Aguet-M?/au

L1 544 AGUET-M?/AU

=> s l1 and EPH

L2 0 L1 AND EPH

=> EPH and (angiogen? or neovascul?)

EPH IS NOT A RECOGNIZED COMMAND

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=> s EPH and (angiogen? or neovascul?)

L3 111 EPH AND (ANGIOGEN? OR NEOVASCUL?)

=> s l3 and (inhibitor or antagonist or antibody?)

L4 4 L3 AND (INHIBITOR OR ANTAGONIST OR ANTIBOD?)

=> s EPHB4 and (angiogen? or neovas?)

L5 22 EPHB4 AND (ANGIOGEN? OR NEOVAS?)

=> dup rem l4

PROCESSING COMPLETED FOR L4

L6 3 DUP REM L4 (1 DUPLICATE REMOVED)

=> d ibib aks 1-3

L6 ANSWER 1 OF 3 EMBASE COPYRIGHT 2001 ELSEVIER SCI. B.V. DUPLICATE 1

ACCESSION NUMBER: 2001014887 EMBASE

TITLE: The ephrin-A1 ligand and its receptor, EphA2, are  
expressed

during tumor **neovascularization**.

AUTHOR: Ogawa K.; Pasqualini R.; Lindberg R.A.; Kain R.; Freeman  
A.L.; Pasquale E.B.

CORPORATE SOURCE: E.B. Pasquale, The Burnham Institute, 10901 North Torrey  
Pines Rd., San Diego, CA 92037, United States

SOURCE: Oncogene, (7 Dec 2000) 19/52 (6043-6052).

Refs: 59

ISSN: 0950-9232 CODEN: ONCHES

COUNTRY: United Kingdom

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 016 Cancer

029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

AB **Eph** receptor tyrosine kinases and their ephrin ligands have been implicated in embryonic vascular development and in in vivo models of **angiogenesis**. **Eph** proteins may also regulate tumor **neovascularization**, but this role has not been previously investigated. To screen for **Eph** proteins expressed in tumor blood vessels, we used tumor xenografts grown in nude mice from

MEA-MB-435

human breast cancer cells or KS1767 human Kaposi's sarcoma cells. By immunohistochemistry, the ephrin-A1 ligand and one of its receptors, EphA2, were detected throughout tumor vasculature. Double-labeling with anti-CD34 **antibodies** demonstrated that both ephrin-A1 and EphA2 were expressed in xenograft endothelial cells and also tumor cells. Furthermore, EphA2 was tyrosine-phosphorylated in the xenograft tumors, indicating that it was activated, presumably by interacting with ephrin-A1. Ephrin-A1 and EphA2 were also detected in both the vasculature and tumor cells of surgically removed human cancers. In an in vitro **angiogenesis** model, a dominant negative form of EphA2 inhibited capillary tube-like formation by human umbilical vein endothelial cells (HUVECs), demonstrating a requirement for EphA receptor signaling. These data suggest that ephrin-A1 and EphA2 play a role in human cancers, at least in part by influencing tumor **neovascularization**. **Eph** proteins may represent promising new targets for antiangiogenic cancer treatments.

L6 ANSWER 2 OF 3 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 1999:954391 SCISEARCH

THE GENUINE ARTICLE: 262VE

TITLE: New paradigms of signaling in the vasculature: ephrins and

metalloproteases

AUTHOR: Ilan N (Reprint); Madri J A

CORPORATE SOURCE: YALE UNIV, SCH MED, DEPT PATHOL, 310 CEDAR ST, NEW HAVEN, CT 06510 (Reprint)

COUNTRY OF AUTHOR: USA

SOURCE: CURRENT OPINION IN BIOTECHNOLOGY, (DEC 1999) Vol. 10, No. 6, pp. 536-540.

Publisher: CURRENT BIOLOGY LTD, 34-42 CLEVELAND STREET, LONDON W1P 6LE, ENGLAND.

ISSN: 0958-1669.

DOCUMENT TYPE: General Review; Journal

FILE SEGMENT: LIFE

LANGUAGE: English

REFERENCE COUNT: 36

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB As our understanding of the control of vasculogenesis and **angiogenesis** continues to grow, we will be confronted with an increasing number of interacting and intersecting receptor-mediated signaling pathways. If we are to be successful in developing new and novel effective therapeutic reagents that can function as stimulators or

**inhibitors** of these critically important processes, we will have to develop a sophisticated, full understanding of the complex interactions associated with ephrin-based and metalloprotease-based signaling pathways.

L6 ANSWER 3 OF 3 SCISEARCH COPYRIGHT 2001 ISI (R)

ACCESSION NUMBER: 1998:677123 SCISEARCH

THE GENUINE ARTICLE: 115KA

TITLE: Origins and formation of microvasculature in the developing kidney

AUTHOR: Akrahamson D R (Reprint); Robert B; Hyink D P; StJohn P L;

Daniel T J  
CORPORATE SOURCE: UNIV ALABAMA, DEPT CELL BIOL, 6TH FLOOR, VOLKER HALL, 1670

UNIV BLVD, BIRMINGHAM, AL 35294 (Reprint); VANDERBILT UNIV, DEPT MED, DIV NEPHROL, NASHVILLE, TN; VANDERBILT UNIV, DEPT CELL BIOL, NASHVILLE, TN 37232

COUNTRY OF AUTHOR: USA

SOURCE: KIDNEY INTERNATIONAL, (SEP 1998) Vol. 54, Supp. [67], pp. S7-S11.  
Publisher: BLACKWELL SCIENCE INC, 350 MAIN ST, MALDEN, MA 02148.

ISSN: 0085-2538.

DOCUMENT TYPE: Article; Journal

FILE SEGMENT: LIFE; CLIN

LANGUAGE: English

REFERENCE COUNT: 28

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB Regulation of microvessel assembly in the developing kidney is not known and may occur through vasculogenic, **angiogenic**, or both processes. To examine this question, we grafted rat and mice embryonic

(E) day 12 (E12) kidneys, which have only a rudimentary vasculature, into anterior eye chambers of mouse and rat hosts. Species-specific, monoclonal

anti-basement membrane **antibodies** showed that glomerular basement membranes, mesangial matrices, and microvessel basement membranes

were always derived from the graft. When wild-type E12 mouse kidneys were grafted into anterior chambers of ROSA26 mice, in which the beta-galactosidase transgene is expressed ubiquitously, glomerular and microvascular endothelial cells stemmed from the graft, even after maintenance of kidneys in organ culture for 6 days before grafting. Immunolabeling with **antibodies** against the vascular endothelial growth factor (VEGF) receptor, Flk1, the EphB1 receptor, and its ligand, ephrin-B1, labeled discrete mesenchymal cells in embryonic and newborn kidney cortex: as well as developing microvessel and glomerular endothelium. In adult kidneys, Flk1 labeled glomeruli weakly, other vascular structures were unlabeled. When wild-type E12 kidneys were grafted under renal capsules of adult ROSA26 hosts, endothelium

developing within the graft again came from the implanted kidney. In contrast, when E12 kidneys were grafted into renal cortices of newborns, glomeruli

within grafts now contained host-derived endothelium. Similarly, when ROSA26 E12 kidneys were implanted into newborn wild-type hosts, chimeric vessels containing graft- and host-derived endothelium were seen in nearby host

tissue. Our results indicate that cells capable of forming the entire microvascular tree of grafted metanephroi are already present in the E12 kidney. We hypothesize that Flk1/VEGF and EphB1/ephrin-B1 mediate renal endothelial mitosis-motility and cell guidance-aggregation behavior, respectively.

=> d his

(FILE 'HOME' ENTERED AT 13:44:31 ON 05 MAR 2001)

FILE 'MEDLINE, CANCERLIT, BIOSIS, EMBASE, SCISEARCH' ENTERED AT 13:44:37 ON 05 MAR 2001

L1 544 S AGUET-M?/AU  
L2 0 S L1 AND EPH  
L3 111 S EPH AND (ANGIOGEN? OR NEOVASCUL?)  
L4 4 S L3 AND (INHIBITOR OR ANTAGONIST OR ANTIBOD?)  
L5 22 S EPHB4 AND (ANGIOGEN? OR NEOVAST?)  
L6 3 DUP REM L4 (1 DUPLICATE REMOVED)

=> dup rem l5

PROCESSING COMPLETED FOR L5

L7 5 DUP REM L5 (13 DUPLICATES REMOVED)

=> d ibib abs 1-9

L7 ANSWER 1 OF 9 MEDLINE DUPLICATE 1  
ACCESSION NUMBER: 2000072613 MEDLINE  
DOCUMENT NUMBER: 20072613  
TITLE: The receptor tyrosine kinase **EphB4** and ephrin-B ligands restrict **angiogenic** growth of embryonic veins in *Xenopus laevis*.  
AUTHOR: Helkling P M; Saulnier D M; Brandli A W  
CORPORATE SOURCE: Institute of Cell Biology, Swiss Federal Institute of Technology, ETH-Honggerberg, CH-8093 Zurich, Switzerland.  
SOURCE: DEVELOPMENT, (2000 Jan) 127 (2) 269-78.  
Journal code: ECW. ISSN: 0950-1991.  
PUB. COUNTRY: ENGLAND: United Kingdom  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200004  
ENTRY WEEK: 20000403

AB The cues and signaling systems that guide the formation of embryonic blood

vessels in tissues and organs are poorly understood. Members of the Eph family of receptor tyrosine kinases and their cell membrane-anchored ligands, the ephrins, have been assigned important roles in the control of

cell migration during embryogenesis, particularly in axon guidance and neural crest migration. Here we investigated the role of EphB receptors and their ligands during embryonic blood vessel development in *Xenopus laevis*. In a survey of tadpole-stage *Xenopus* embryos for EphB receptor expression, we detected expression of **EphB4** receptors in the posterior cardinal veins and their derivatives, the intersomitic veins. Vascular expression of other EphB receptors, including EphB1, EphB2 or

EphB3, could however not be observed, suggesting that **EphB4** is the principal EphB receptor of the early embryonic vasculature of *Xenopus*. Furthermore, we found that ephrin-B ligands are expressed complementary to

**EphB4** in the somites adjacent to the migratory pathways taken by intersomitic veins during **angiogenic** growth. We performed RNA injection experiments to study the function of **EphB4** and its ligands in intersomitic vein development. Disruption of **EphB4** signaling by dominant negative **EphB4** receptors or misexpression of ephrin-B ligands in *Xenopus* embryos resulted in intersomitic veins growing abnormally into the adjacent somitic tissue. Our findings demonstrate that **EphB4** and B-class ephrins act as regulators of **angiogenesis** possibly by mediating repulsive guidance cues to migrating endothelial cells.

L7 ANSWER 2 OF 9 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 2  
ACCESSION NUMBER: 2000:456107 BIOSIS  
DOCUMENT NUMBER: PREV2000:0456107  
TITLE: Expression of Tie-2, angiopoietin-1, angiopoietin-2, ephrinB2 and **EphB4** in pyogenic granuloma of human gingiva implicates their roles in inflammatory **angiogenesis**.  
AUTHOR(S): Yuan, Kuei-Jin, Ying-Tai; Lin, Ming T. (1)  
CORPORATE SOURCE: (1) Biochemistry Department of the Medical School, National Cheng-Kung University, No. 1 University Road, Tainan, 701 Taiwan  
SOURCE: Journal of Periodontal Research, (June, 2000) Vol. 35, No. 3, pp. 165-171. print.  
ISSN: 0022-3434.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
SUMMARY LANGUAGE: English  
AB Tie-2, angiopoietin-1 (Ang-1), angiopoietin-2 (Ang-2), ephrin-B2 and Eph-B4 are all important vascular morphogenesis factors which exhibit their functions in **angiogenesis** and blood vessel remodeling in embryonic stage. However, their roles in post-natal inflammatory **angiogenesis** are still unclear. Pyogenic granuloma is a benign inflammatory lesion that mostly occurs on the gingiva of females with high levels of steroid hormones. Prominent capillary growth in hyperplastic granulation tissue is characteristic histopathologically in pyogenic granuloma. The purpose of this study was to detect and compare the expression of Tie-2, Ang-1, Ang-2, ephrin-B2 and Eph-B4 among pyogenic granuloma on human gingiva, gingiva diagnosed with periodontitis and healthy gingiva by immunohistochemistry. The immunostaining revealed that all of the endothelial cells and some mesenchymal cells expressed Tie-2. The cells which expressed Ang-1 and Ang-2 were mainly macrophage- or monocyte-like mesenchymal cells and smooth muscle cells surrounding blood vessels. The expression of ephrin-B2 and Eph-B4 was not exclusively limited to the endothelial cells of arteries and veins, respectively, as in mice embryo. Eph-B4 was expressed in the endothelial cells of newly budding capillaries and venules while ephrin-B2 was expressed in macrophage-like mesenchymal cells. Some of the ephrin-B2 positive cells were in direct contact with endothelial cells. The statistical analysis demonstrated that all of the five factors were upregulated in pyogenic granuloma compared to healthy gingiva. In conclusion, the 5 polypeptides mentioned above may play important roles in the process of adult

inflammatory **neovascularization**, especially in pyogenic granuloma. It is highly plausible that most of the new capillaries in inflammatory **angiogenesis** originated from venules instead of arterioles.

L7 ANSWER 3 OF 9 BIOSIS COPYRIGHT 2001 BIOSIS  
ACCESSION NUMBER: 2000:201017 BIOSIS  
DOCUMENT NUMBER: PREV200000201017  
TITLE: The discovery of potent and selective inhibitors of  
kinases  
involved in tumor **angiogenesis**.  
AUTHOR(S): Patel, Vinod F. (1); Boucher, Christina (1); Carney, David  
P. (1); DiPietro, Lucian V. (1); Faust, Ted J. (1);  
Meyers,  
Stephanie D. (1); Newcomb, John R. (1); Nunes, Joseph J.  
(1); Rose, Paul E. (1); Stover, David P. (1); Turci, Susan  
M. (1); Toledo, Leticia M. (1)  
CORPORATE SOURCE: (1) Kinetix Pharmaceuticals Inc, Medford, MA USA  
SOURCE: Proceedings of the American Association for Cancer  
Research  
Annual Meeting, (March, 2000) No. 41, pp. 33.  
Meeting Info.: 91st Annual Meeting of the American  
Association for Cancer Research. San Francisco,  
California,  
USA April 01-05, 2000  
ISSN: 0197-016X.  
DOCUMENT TYPE: Conference  
LANGUAGE: English  
SUMMARY LANGUAGE: English

L7 ANSWER 4 OF 9 MEDLINE DUPLICATE 3  
ACCESSION NUMBER: 1999446489 MEDLINE  
DOCUMENT NUMBER: 99446489  
TITLE: Symmetrical mutant phenotypes of the receptor **EphB4**  
and its specific transmembrane ligand ephrin-B2 in  
cardiovascular development.  
AUTHOR: Gerety S S; Wang H U; Chen Z F; Anderson D J  
CORPORATE SOURCE: Division of Biology, Howard Hughes Medical Institute,  
California Institute of Technology, Pasadena 91125, USA.  
SOURCE: MOLECULAR CELL, (1999 Sep) 4 (3) 403-14.  
Journal code: C5E. ISSN: 1097-2765.  
PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)  
LANGUAGE: English  
FILE SEGMENT: Priority Journals  
ENTRY MONTH: 200001  
ENTRY WEEK: 20000104

AB Ephrin-B2 is a transmembrane ligand that is specifically expressed on  
arteries but not veins and that is essential for cardiovascular  
development. However, ephrin-B2 is also expressed in nonvascular tissues  
and interacts with multiple EphB class receptors expressed in both  
endothelial and nonendothelial cell types. Thus, the identity of the  
relevant receptor for ephrin-B2 and the site(s) where these molecules  
interact to control **angiogenesis** were not clear. Here we show  
that **EphB4**, a specific receptor for ephrin-B2, is exclusively  
expressed by vascular endothelial cells in embryos and is preferentially  
expressed on veins. A targeted mutation in **EphB4** essentially  
phenocopies the mutation in ephrin-B2. These data indicate that  
ephrin-B2-

**EphB4** interactions are intrinsically required in vascular endothelial cells and are consistent with the idea that they mediate bidirectional signaling essential for **angiogenesis**.

L7 ANSWER 5 OF 9 SCISEARCH COPYRIGHT 2001 ISI (R)  
ACCESSION NUMBER: 1999:966746 SCISEARCH  
THE GENUINE ARTICLE: 264GC  
TITLE: Comparative analysis of embryonic gene expression defines potential interaction sites for Xenopus **EphB4** receptors with ephrin-B ligands  
AUTHOR: Helbling P M; Saulnier D M E; Robinson V; Christiansen J H; Wilkinson D G; Brandli A W (Reprint)  
CORPORATE SOURCE: ETH HONGGERBERG, SWISS FED INST TECHNOL, INST CELL BIOL, CH-8093 ZURICH, SWITZERLAND (Reprint); ETH HONGGERBERG, SWISS FED INST TECHNOL, INST CELL BIOL, CH-8093 ZURICH, SWITZERLAND; NATL INST MED RES, DIV DEV NEUROBIOL, LONDON NW7 1AA, ENGLAND  
COUNTRY OF AUTHOR: SWITZERLAND; ENGLAND  
SOURCE: DEVELOPMENTAL DYNAMICS, (DEC 1999) Vol. 216, No. 4-5, pp. 361-373.  
Publisher: WILEY-LISS, DIV JOHN WILEY & SONS INC, 605 THIRD AVE, NEW YORK, NY 10158-0012.  
ISSN: 1058-8388.  
DOCUMENT TYPE: Article; Journal  
FILE SEGMENT: LIFE  
LANGUAGE: English  
REFERENCE COUNT: 69

\*ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS\*

AB The Eph family of receptor tyrosine kinases and their ligands, the ephrins, act as signaling molecules regulating the migratory behavior of neurons and neural crest cells, and are implicated in tissue patterning, blood vessel formation, and tumorigenesis. On the basis of structural similarities and overlapping binding specificities, Eph receptors as well as their ligands can be divided into A and B subfamilies with orthologues found in all vertebrates. We describe here the isolation of cDNAs

encoding

Xenopus **EphB4** receptors and show that embryonic expression is prominently associated with the developing vasculature, newly forming somites, the visceral arches, and non-neuronal tissues of the embryonic head. In a screen to identify potential ligands for **EphB4** in Xenopus embryos, we isolated cDNAs for the Xenopus ephrin-B2 and -B3, which demonstrates that the Xenopus genome harbors genes encoding orthologues to all three currently known mammalian ephrin-B genes. We

next

performed in situ hybridizations to identify tissues and organs where **EphB4** receptors may encounter ephrin-B ligands during embryonic development. Our analysis revealed distinct, but overlapping patterns of ephrin-B gene expression. Interestingly, each ephrin-B ligand displayed expression domains either adjacent to or within **EphB4**-expressing tissues. These findings indicate that **EphB4** receptors may interact in vivo with multiple B-class ephrins. The expression patterns also suggest that **EphB4** receptors and their ligands may be involved in visceral arch formation, somitogenesis, and blood vessel development. (C) 1999 Wiley-Liss, Inc.

L7 ANSWER 6 OF 9 MEDLINE  
ACCESSION NUMBER: 1998167910 MEDLINE  
DOCUMENT NUMBER: 98167910  
TITLE: Eph receptors discriminate specific ligand oligomers to

DUPLICATE 4



determine alternative signaling complexes, attachment, and assembly responses.

AUTHOR: Stein E; Lane A A; Cerretti D P; Schoecklmann H O; Schroff A D; Van Etten R L; Daniel T O

CORPORATE SOURCE: Department of Cell Biology, Vanderbilt University Medical Center, Nashville, Tennessee 37232, USA.

CONTRACT NUMBER: DK38517 (NIDDK)  
DK47078 (NIDDK)  
GM27003 (NIGMS)  
+

SOURCE: GENES AND DEVELOPMENT, (1998 Mar 1) 12 (5) 667-78.  
Journal code: FN3. ISSN: 0890-9369.

PUB. COUNTRY: United States  
Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

ENTRY MONTH: 199806

AB Eph family receptor tyrosine kinases (including EphA3, **EphB4**) direct pathfinding of neurons within migratory fields of cells expressing gradients of their membrane-bound ligands. Others (EphB1 and EphA2) direct vascular network assembly, affecting endothelial migration, capillary morphogenesis, and **angiogenesis**. To explore how ephrins could provide positional labels for cell targeting, we tested whether endogenous endothelial and P19 cell EphB1 (ELK) and EphB2 (Nuk) receptors discriminate between different oligomeric forms of an ephrin-B1/Fc fusion ligand. Receptor tyrosine phosphorylation was stimulated by both dimeric and clustered multimeric ephrin-B1, yet only ephrin-B1 multimers (tetramers) promoted endothelial capillary-like assembly, cell attachment, and the recruitment of low-molecular-weight phosphotyrosine phosphatase (LMW-PTP) to receptor complexes. Cell-cell contact among cells expressing both EphB1 and ephrin-B1 was required for EphB1 activation and recruitment of LMW-PTP to EphB1 complexes. The EphB1-binding site for LMW-PTP was mapped and shown to be required for tetrameric ephrin-B1 to recruit LMW-PTP and to promote attachment. Thus, distinct EphB1-signaling complexes are assembled and different cellular attachment responses are determined by a receptor switch mechanism responsive to distinct ephrin-B1 oligomers.

L7 ANSWER 7 OF 9 SCISEARCH COPYRIGHT 2001 ISI (F)

ACCESSION NUMBER: 1998:682997 SCISEARCH

THE GENUINE ARTICLE: 131UV

TITLE: Molecular distinction and **angiogenic** interactions between embryonic arteries and veins revealed by EphrinB2 and its receptor **EphB4**

AUTHOR: Wang H U (Reprint); Chen Z F; Anderson D J

CORPORATE SOURCE: CALTECH, PASADENA, CA 91125

COUNTRY OF AUTHOR: USA

SCOURCE: CIRCULATION, (27 OCT 1998) Vol. 98, No. 17, Supp. [S], pp. 341-341.  
Publisher: WILLIAMS & WILKINS, 351 WEST CAMDEN ST, BALTIMORE, MD 21201-2436.  
ISSN: 0009-7322.

DOCUMENT TYPE: Conference; Journal  
FILE SEGMENT: LIFE; CLIN  
LANGUAGE: English  
REFERENCE COUNT: 0

L7 ANSWER 8 OF 9 BIOSIS COPYRIGHT 2001 BIOSIS  
ACCESSION NUMBER: 1999:523473 BIOSIS  
DOCUMENT NUMBER: PREV199900523473  
TITLE: Molecular distinction and **angiogenic** interactions  
between embryonic arteries and veins revealed by EphrinB2  
and its receptor **EphB4**.  
AUTHOR(S): Wang, Hai U.; Chen, Zhongfeng; Anderson, David J.  
CORPORATE SOURCE: Calif. Inst. Technol., Pasadena, CA USA  
SOURCE: Circulation, (Oct. 27, 1998) Vol. 98, No. 17 SUPPL., pp.  
168.  
Meeting Info.: 71st Scientific Sessions of the American  
Heart Association Dallas, Texas, USA November 8-11, 1998  
The American Heart Association  
. ISSN: 0009-7322.

DOCUMENT TYPE: Conference  
LANGUAGE: English

L7 ANSWER 9 OF 9 BIOSIS COPYRIGHT 2001 BIOSIS DUPLICATE 5  
ACCESSION NUMBER: 1999:523291 BIOSIS  
DOCUMENT NUMBER: PREV199900523291  
TITLE: Molecular distinction and **angiogenic** interactions  
between embryonic arteries and veins revealed by EphrinB2  
and its receptor **EphB4**.  
AUTHOR(S): Wang, Hai U.; Chen, Zhongfeng; Anderson, David J.  
CORPORATE SOURCE: Calif. Inst. Technol., Pasadena, CA USA  
SOURCE: Circulation, (Oct. 27, 1998) Vol. 98, No. 17 SUPPL., pp.  
10-1P.  
Meeting Info.: 71st Scientific Sessions of the American  
Heart Association Dallas, Texas, USA November 8-11, 1998  
The American Heart Association  
. ISSN: 0009-7322.

DOCUMENT TYPE: Conference  
LANGUAGE: English

=> d his

(FILE 'HOME' ENTERED AT 13:44:31 ON 05 MAR 2001)

FILE 'MEDLINE, CANCERLIT, BIOSIS, EMBASE, SCISEARCH' ENTERED AT 13:44:37  
ON 05 MAR 2001

L1 544 S AGUET-M?/AU  
L2 0 S L1 AND EPH  
L3 111 S EPH AND (ANGIOGEN? OR NEOVASCUL?)  
L4 4 S L3 AND (INHIBITOR OR ANTAGONIST OR ANTIBOD?)  
L5 22 S EPHE4 AND (ANGIOGEN? OR NEOVAS?)  
L6 ? DUP REM L4 (1 DUPLICATE REMOVED)  
L7 9 DUP REM L5 (13 DUPLICATES REMOVED)